



TFW

2666

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/993,056
	Filing Date	November 14, 2001
	First Named Inventor	Ahn
	Art Unit	2666
	Examiner Name	Mehra, Inder P.
Total Number of Pages in This Submission	Attorney Docket Number	067515.0158 (A34807)

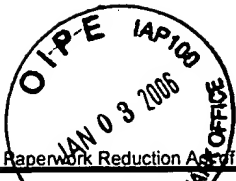
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	
	NO FEE REQUIRED	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Baker Botts LLP	Customer No.	21003
Signature			
Printed name	Manu J. Tejwani		
Date	12/29/2005	Reg. No.	37,952

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Typed or printed name	Manu J. Tejwani	Date	12/29/2005

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PTO/SB/17 (10-04)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 0.00

## Complete if Known

Application Number 09/993,056

Filing Date November 14, 2001

First Named Inventor Ahn

Examiner Name Mehra, Inder P.

Art Unit 2666

Attorney Docket No. 067515.0158 (A34807)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 02-4377

Deposit Account Name Baker Botts L.L.P.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
1001	2001	Utility filing fee	
1002	2002	Design filing fee	
1003	2003	Plant filing fee	
1004	2004	Reissue filing fee	
1005	2005	Provisional filing fee	
SUBTOTAL (1)			(\$) 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20 =	X	= 0
Multiple Dependent Claims	-3 =	X	= 0

<u>Large Entity</u>	<u>Small Entity</u>	
<u>Fee Code</u>	<u>Fee Code</u>	<u>Fee Description</u>
1202	2202	Claims in excess of 20
1201	2201	Independent claims in excess of 3
1203	2203	Multiple dependent claim, if not paid
1204	2204	** Reissue independent claims over original patent
1205	2205	** Reissue claims in excess of 20 and over original patent

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
1051	2051	Surcharge - late filing fee or oath	
1052	2052	Surcharge - late provisional filing fee or cover sheet	
1053	1053	Non-English specification	
1812	1812	For filing a request for <i>ex parte</i> reexamination	
1804	1804	Requesting publication of SIR prior to Examiner action	
1805	1805	Requesting publication of SIR after Examiner action	
1251	2251	Extension for reply within first month	
1252	2252	Extension for reply within second month	
1253	2253	Extension for reply within third month	
1254	2254	Extension for reply within fourth month	
1255	2255	Extension for reply within fifth month	
1401	2401	Notice of Appeal	
1402	2402	Filing a brief in support of an appeal	
1403	2403	Request for oral hearing	
1451	1451	Petition to institute a public use proceeding	
1452	2452	Petition to revive - unavoidable	
1453	2453	Petition to revive - unintentional	
1501	2501	Utility issue fee (or reissue)	
1502	2502	Design issue fee	
1503	2503	Plant issue fee	
1460	1460	Petitions to the Commissioner	
1807	1807	Processing fee under 37 CFR 1.17(q)	
1806	1806	Submission of Information Disclosure Stmt	
8021	8021	Recording each patent assignment per property (times number of properties)	
1809	2809	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	2810	For each additional invention to be examined (37 CFR 1.129(b))	
1801	2801	Request for Continued Examination (RCE)	
1802	1802	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Manu Tejwani	Registration No. (Attorney/Agent)	37,952	Telephone	212-408-2500
Signature		Date	12/29/2005		

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A34807 - 06715.0158

PATENT


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ahn et al.  
Serial No. : 09/993,056 Examiner Mehra, Inder P.  
Filed : November 14, 2001 Group Art Unit: 2666  
For : SIGNAL PROCESSING METHOD AND APPARATUS FOR  
ENHANCING DEMODULATION PERFORMANCE OF CDMA  
RECEIVING SYSTEM UTILIZING ARRAY ANTENNA

I hereby certify that this paper is being deposited with the United States  
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Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria, VA  
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December 29, 2005  
Date of Deposit

Manu J Tejawani  
Attorney Name

37,952  
PTO Reg. No.

  
Signature

December 29, 2005  
Date of Signature

**REPLY TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated September 29, 2005, applicants amend the claims  
as shown in the **Claims** section beginning at page 2 of this paper. **Remarks** are presented  
on page 11 of this paper